

# The Ohio State University

2022-2023/FALL/SPRING/SOYBEAN-CORN/AUDIT 1:1/PREVIEW 2:1/INTERMOC/NO-TILL

Trial ID: 23UPLFALLSOY2  
 Protocol ID: H22-US-0XX-REJ Location: Trial Year: 2022  
 Project ID: Project ID 2: Project ID 3:  
 Study Director: Sponsor Contact:  
 Investigator:

## Crop Description

|           |  |  |
|-----------|--|--|
| Crop 1: C | GLXMA Glycine max                                      | Soybean                                |
|           | Entry Date: May-3-2023                                 | Stage Scale: BBCH                      |
|           | Variety: 28A65E  |  |
|           | Attributes: 2,4-D Choline, Glyphosate, Glufosinate Tol |  |
|           | Planting Date: Apr-27-2023                             | Seed Size: 2441 S/LB                   |
|           | Depth: 1 IN  | Planting Rate: 140000 S/A              |
|           | Rows per Plot: 8                                       | Planting Method: PLANTD planted        |
|           | Row Spacing: 15 IN                                     | Planting Equipment: FE field equipment |
|           |  | Seed Bed: MEDIUM medium                |
|           | Soil Temperature: 50 F                                 | Soil Moisture: NORMAL normal, adequate |
|           | Emergence Date: May-16-2023                            |  |
|           | Harvest Date: Oct-11-2023                              | Harvest Equipment: Kincaid 8XP         |
|           | Moisture Meter: Harvest Master                         | Harvested Width: 6.25 FT               |
|           | % Standard Moisture: 13                                | Harvested Length: 30 FT                |
|           | Weighing Equipment: Harvest Master HM800               |  |

## Pest Description

|                |  |                         |
|----------------|--|-------------------------|
| Pest 1 Type: W | Code: STEME Stellaria media            | Entry Date: May-3-2023  |
|                | Common Name: chickweed                 | Stage Scale: BBCH       |
|                | Crop: 1 GLXMA                          |                         |
| Pest 2 Type: W | Code: LAMPU Lamium purpureum           | Entry Date: May-3-2023  |
|                | Common Name: purple deadnettle         | Stage Scale: BBCH       |
| Pest 3 Type: W | Code: CARPE Cardamine pensylvanica     | Entry Date: May-3-2023  |
|                | Common Name: Pennsylvania bittercress  | Stage Scale: BBCH       |
| Pest 4 Type: W | Code: SENGL Packera glabella           | Entry Date: May-3-2023  |
|                | Common Name: Cressleaf groundsel       | Stage Scale: BBCH       |
| Pest 5 Type: W | Code: ERYRE Erysimum repandum          | Entry Date: May-3-2023  |
|                | Common Name: spreading treacle mustard | Stage Scale: BBCH       |
| Pest 6 Type: W | Code: ERICA Erigeron canadensis        | Entry Date: May-3-2023  |
|                | Common Name: mare's-tail               | Stage Scale: BBCH       |
| Pest 7 Type: W | Code: POAAN Poa annua                  | Entry Date: May-3-2023  |
|                | Common Name: Annual bluegrass          | Stage Scale: BBCH       |
| Pest 8 Type: W | Code: TAROF Taraxacum officinale       | Entry Date: May-3-2023  |
|                | Common Name: dandelion                 | Stage Scale: BBCH       |
| Pest 9 Type: W | Code: SETFA Setaria faberi             | Entry Date: Jun-8-2023  |
|                | Common Name: Giant foxtail             | Stage Scale: BBCH       |
| Pest10 Type: W | Code: SETPU Setaria helvola            | Entry Date: Jun-8-2023  |
|                | Common Name: yellow foxtail            | Stage Scale: BBCH       |
| Pest11 Type: W | Code: AMBTR Ambrosia trifida           | Entry Date: Jun-8-2023  |
|                | Common Name: Giant ragweed             | Stage Scale: BBCH       |
| Pest12 Type: W | Code: AMBEL Ambrosia artemisiifolia    | Entry Date: Jun-8-2023  |
|                | Common Name: Common ragweed            | Stage Scale: BBCH       |
| Pest13 Type: W | Code: CHEAL Chenopodium album          | Entry Date: Jun-8-2023  |
|                | Common Name: common lambsquarters      | Stage Scale: BBCH       |
| Pest14 Type: W | Code: POLPY Persicaria pensylvanica    | Entry Date: Jun-8-2023  |
|                | Common Name: annual smartweed          | Stage Scale: BBCH       |
| Pest15 Type: W | Code: AMARE Amaranthus retroflexus     | Entry Date: Jun-21-2023 |
|                | Common Name: Redroot pigweed           | Stage Scale: BBCH       |

## Site and Design

|  |  |
|--|--|
| Treated Plot Width: 6.67 FT              | Site Type: FIELD field                               |
| Treated Plot Length: 30 FT               | Experimental Unit: 1 PLOT plot                       |
| Treated Plot Area: 200.1 FT <sup>2</sup> | Tillage Type: NOTILL no-till                         |
| Replications: 3                          | Treatments: 6 Plots: 18                              |
|  | Study Design: RACOBL Randomized Complete Block (RCB) |

Previous  
 No. Crop Year  
 1. CORN 2022

# The Ohio State University

2022-2023/FALL/SPRING/SOYBEAN-CORN/AUDIT 1:1/PREVIEW 2:1/INTERMOC/NO-TILL

Trial ID: 23UPLFALLSOY2  
 Protocol ID: H22-US-0XX-REJ Location: Trial Year: 2022  
 Project ID: Project ID 2: Project ID 3:  
 Study Director: Sponsor Contact:  
 Investigator:

## Soil Description

Description Name: F-9 West  
 % Sand: 32 % OM: 1.6 Texture: SICL silty clay loam  
 % Silt: 53 Soil Name: Crosby  
 % Clay: 15 Fert. Level: G good  
 pH: 6 CEC: 8.6  
 Soil Drainage: G good

## Application Description

|                                 | A           | B           | C           | D           |
|---------------------------------|-------------|-------------|-------------|-------------|
| Date                            | Nov-9-2022  | Apr-27-2023 | Jun-7-2023  | Jun-21-2023 |
| Start Time                      | 9:30 AM     | 11:15 AM    | 9:45 AM     | 8:15 AM     |
| Stop Time                       | 9:45 AM     | 11:39 AM    | 9:49 AM     | 8:19 AM     |
| Method                          | SPRAY       | SPRAY       | SPRAY       | SPRAY       |
| Timing                          | FALL        | PRE         | 12          | 14          |
| Placement                       | BROFOL      | BROFOL      | BROFOL      | BROFOL      |
| Applied By                      | Dobbels     |             | POLING      | MCCORMICK   |
| Entry Date                      | May-3-2023  | May-3-2023  | Jun-8-2023  | Jun-21-2023 |
| Air Temperature Start, Stop     | 50, 53 F    | 53, 53 F    | 63, 63 F    | 66, 66 F    |
| % Relative Humidity Start, Stop | 43, 43      | 54, -       | 40, 40      | 82, 82      |
| Wind Velocity+Dir. Start        | 7 MPH, W    | 9 MPH, E    | 4 MPH, NNE  | 3 MPH, E    |
| Wind Velocity+Dir. Stop         | 8 MPH, W    | 9 MPH, E    | 5 MPH, NNE  | 3 MPH, E    |
| Wind Velocity+Dir. Max          | 9 MPH, W    | 9 MPH, E    | 6 MPH, NNE  | 3 MPH, E    |
| Wet Leaves (Y/N)                | N, no       | N, no       | Y, yes      | N, no       |
| Soil Temperature                | 45 F        | 44 F        | 62 F        | 61 F        |
| Soil Moisture                   | VERDRY      | DRY         | DRY         | SLIWET      |
| Soil Surface Condition          | MEDTRA      | MEDIUM      | MEDIUM      | MEDIUM      |
| % Cloud Cover                   | 5           | 50          | 10          | 15          |
| First Moisture Occurred On      | Nov-11-2022 | Apr-28-2023 | Jun-11-2023 | Jun-23-2023 |
| Time to First Moisture          | 3.0 DAY     | 21.0 HR     | 4.0 DAY     | 2.0 DAY     |
| Moisture 6 Hours after Appl.    | 0 IN        | 0 IN        | 0 IN        | 0 IN        |
| Moisture 24 Hours after Appl.   | 0 IN        | 0.04 IN     | 0 IN        | 0 IN        |
| Moisture 1 Week after Appl.     | 1 IN        | 0.13 IN     | 2.09 IN     | 0.19 IN     |
| Problems with Application?      | N, no       | N, no       | N, no       | N, no       |

## Crop Stage At Each Application

|                         | A           | B           | C           | D           |
|-------------------------|-------------|-------------|-------------|-------------|
| Crop 1 Code, BBCH Scale | GLXMA, BSOY | GLXMA, BSOY | GLXMA, BSOY | GLXMA, BSOY |
| Days after Emergence    | -188        | -19         | 22          | 36          |
| Stage Majority, Percent |             |             | 12, 100     | 14, 100     |
| Stage Minimum, Percent  |             |             | 12, 100     | 14, 100     |
| Stage Maximum, Percent  |             |             | 12, 100     | 14, 100     |
| Height Average          |             |             | 4 IN        | 8 IN        |
| Height Minimum, Maximum |             |             | 3, 5        | 6, 8        |

## Pest Stage At Each Application

|                           | A              | B              | C              | D              |
|---------------------------|----------------|----------------|----------------|----------------|
| Pest 1 Code, Type, Scale  | STEME, W, BBCH | STEME, W, BBCH | STEME, W, BBCH | STEME, W, BBCH |
| Stage Majority, Percent   | 18, 80         | 67, 100        |                |                |
| Stage Minimum, Percent    | 18, 80         |                |                |                |
| Stage Maximum, Percent    | 19, 10         |                |                |                |
| Diameter Average          | 2 IN           | 4 IN           |                |                |
| Diameter Minimum, Maximum | 1, 2           | 4, 6           |                |                |
| Height Average            | 0.5 IN         | 2 IN           |                |                |
| Height Minimum, Maximum   | 0.25, 1        | 1, 3           |                |                |
| Crop Part Attacked, Code  | -, GLXMA       | -, GLXMA       | -, GLXMA       | -, GLXMA       |
| Pest 2 Code, Type, Scale  | LAMP, W, 16    | LAMP, W, BBCH  | LAMP, W, BBCH  | LAMP, W, BBCH  |
| Stage Majority, Percent   | 16, 80         | 67, 100        |                |                |
| Stage Minimum, Percent    | 14, 20         |                |                |                |
| Stage Maximum, Percent    | 16, 80         |                |                |                |
| Diameter Average          | 1 IN           | 3 IN           |                |                |
| Diameter Minimum, Maximum | 0.5, 1         | 3, 4           |                |                |
| Height Average            | 2 IN           | 4 IN           |                |                |
| Height Minimum, Maximum   | 1, 3           | 3, 7           |                |                |
| Pest 3 Code, Type, Scale  | CARPE, W, BBCH | CARPE, W, BBCH | CARPE, W, BBCH | CARPE, W, BBCH |
| Stage Majority, Percent   | 18, 80         | 67, 100        |                |                |
| Stage Minimum, Percent    | 16, 20         |                |                |                |
| Stage Maximum, Percent    | 18, 80         |                |                |                |
| Diameter Average          | 0.5 IN         | 3 IN           |                |                |
| Diameter Minimum, Maximum | 0.25, 0.5      | 3, 4           |                |                |
| Height Average            | 0.5 IN         | 6 IN           |                |                |
| Height Minimum, Maximum   | 0.25, 1        | 3, 10          |                |                |
| Pest 4 Code, Type, Scale  | SENG, W, BBCH  | SENG, W, BBCH  | SENG, W, BBCH  | SENG, W, BBCH  |
| Stage Majority, Percent   | 16, 60         | 67, 100        |                |                |
| Stage Minimum, Percent    | 14, 20         |                |                |                |
| Stage Maximum, Percent    | 18, 20         |                |                |                |
| Diameter Average          | 1 IN           | 4 IN           |                |                |
| Diameter Minimum, Maximum | 0.5, 1         | 3, 4           |                |                |
| Height Average            | 0.5 IN         | 4 IN           |                |                |
| Height Minimum, Maximum   | 0.25, 1        | 3, 6           |                |                |
| Pest 5 Code, Type, Scale  | ERYRE, W, BBCH | ERYRE, W, BBCH | ERYRE, W, BBCH | ERYRE, W, BBCH |
| Stage Majority, Percent   |                | 67, 100        |                |                |

# The Ohio State University

2022-2023/FALL/SPRING/SOYBEAN-CORN/AUDIT 1:1/PREVIEW 2:1/INTERMOC/NO-TILL

Trial ID: 23UPLFALLSOY2  
 Protocol ID: H22-US-0XX-REJ Location: Trial Year: 2022  
 Project ID: Project ID 2: Project ID 3:  
 Study Director: Sponsor Contact:  
 Investigator:

|                           |                |                |                |                |
|---------------------------|----------------|----------------|----------------|----------------|
| Diameter Average          |                | 4 IN           |                |                |
| Diameter Minimum, Maximum |                | 3, 4           |                |                |
| Height Average            |                | 7 IN           |                |                |
| Height Minimum, Maximum   |                | 5, 11          |                |                |
| Pest 6 Code, Type, Scale  | ERICA, W, BBCH | ERICA, W, BBCH | ERICA, W, BBCH | ERICA, W, BBCH |
| Stage Majority, Percent   |                | 19, 100        | 19, 100        | 19, 100        |
| Diameter Average          |                | 3 IN           |                |                |
| Diameter Minimum, Maximum |                | 3, 4           |                |                |
| Height Average            |                | 3 IN           | 12 IN          | 12 IN          |
| Height Minimum, Maximum   |                | 2, 3           | 8, 15          | 4, 15          |
| Pest 7 Code, Type, Scale  | POAAN, W, BBCH | POAAN, W, BBCH | POAAN, W, BBCH | POAAN, W, BBCH |
| Stage Majority, Percent   |                | 67, 100        |                |                |
| Height Average            |                | 3 IN           |                |                |
| Height Minimum, Maximum   |                | 2, 4           |                |                |
| Pest 8 Code, Type, Scale  | TAROF, W, BBCH | TAROF, W, BBCH | TAROF, W, BBCH | TAROF, W, BBCH |
| Stage Majority, Percent   |                | 67, 100        |                |                |
| Diameter Average          |                | 4 IN           |                |                |
| Diameter Minimum, Maximum |                | 3, 4           |                |                |
| Height Average            |                | 4 IN           |                |                |
| Height Minimum, Maximum   |                | 3, 5           |                |                |
| Pest 9 Code, Type, Scale  | SETFA, W, BBCH | SETFA, W, BBCH | SETFA, W, BBCH | SETFA, W, BBCH |
| Stage Majority, Percent   |                |                | 15, 80         | 13, 70         |
| Stage Minimum, Percent    |                |                | 13, 10         | 13, 70         |
| Stage Maximum, Percent    |                |                | 15, 80         | 15, 20         |
| Height Average            |                |                | 6 IN           | 3 IN           |
| Height Minimum, Maximum   |                |                | 6, 8           | 3, 4           |
| Pest10 Code, Type, Scale  | SETPU, W, BBCH | SETPU, W, BBCH | SETPU, W, BBCH | SETPU, W, BBCH |
| Stage Majority, Percent   |                |                | 13, 80         | 17, 70         |
| Stage Minimum, Percent    |                |                | 13, 80         | 15, 10         |
| Stage Maximum, Percent    |                |                | 15, 10         | 17, 70         |
| Height Average            |                |                | 5 IN           | 5 IN           |
| Height Minimum, Maximum   |                |                | 4, 6           | 4, 6           |
| Pest11 Code, Type, Scale  | AMBTR, W, BBCH | AMBTR, W, BBCH | AMBTR, W, BBCH | AMBTR, W, BBCH |
| Stage Majority, Percent   |                |                | 19, 100        | 19, 100        |
| Height Average            |                |                | 9 IN           | 12 IN          |
| Height Minimum, Maximum   |                |                | 7, 12          | 10, 15         |
| Pest12 Code, Type, Scale  | AMBEL, W, BBCH | AMBEL, W, BBCH | AMBEL, W, BBCH | AMBEL, W, BBCH |
| Stage Majority, Percent   |                |                | 19, 100        | 19, 80         |
| Stage Minimum, Percent    |                |                |                | 18, 20         |
| Stage Maximum, Percent    |                |                |                | 19, 80         |
| Height Average            |                |                | 6 IN           | 8 IN           |
| Height Minimum, Maximum   |                |                | 3, 7           | 6, 8           |
| Pest13 Code, Type, Scale  | CHEAL, W, BBCH | CHEAL, W, BBCH | CHEAL, W, BBCH | CHEAL, W, BBCH |
| Stage Majority, Percent   |                |                | 19, 100        | 19, 100        |
| Height Average            |                |                | 4 IN           | 4 IN           |
| Height Minimum, Maximum   |                |                | 3, 6           | 3, 4           |
| Pest14 Code, Type, Scale  | POLPY, W, BBCH | POLPY, W, BBCH | POLPY, W, BBCH | POLPY, W, BBCH |
| Stage Majority, Percent   |                |                | 18, 80         | 19, 100        |
| Stage Minimum, Percent    |                |                | 17, 10         | 19, 100        |
| Stage Maximum, Percent    |                |                | 19, 10         | 19, 100        |
| Height Average            |                |                | 3 IN           | 8 IN           |
| Height Minimum, Maximum   |                |                | 2, 4           | 3, 10          |
| Pest15 Code, Type, Scale  | AMARE, W, BBCH | AMARE, W, BBCH | AMARE, W, BBCH | AMARE, W, BBCH |
| Stage Majority, Percent   |                |                |                | 18, 80         |
| Stage Minimum, Percent    |                |                |                | 18, 80         |
| Stage Maximum, Percent    |                |                |                | 19, 20         |
| Height Average            |                |                |                | 3 IN           |
| Height Minimum, Maximum   |                |                |                | 3, 4           |

## Application Equipment

|                            | A                    | B                    | C                    | D                    |
|----------------------------|----------------------|----------------------|----------------------|----------------------|
| Equipment Name             | 6' AIXR              | 6' AIXR              | 6' AIXR              | 6' AIXR              |
| Equipment Type             | BACCAI               | BACCAI               | BACCAI               | BACCAI               |
| Operation Pressure         | 44 PSI               | 44 PSI               | 44 PSI               | 44 PSI               |
| Nozzle Model               | 110015               | 110015               | 110015               | 110015               |
| Nozzle Type                | AIXR                 | AIXR                 | AIXR                 | AIXR                 |
| Nozzle TradeName           | Air Inducted XR Flat | Air Inducted XR Flat | Air Inducted XR Flat | Air Inducted XR Flat |
| Nozzle Tip Size, Color     | 015, grren           | 015, GREEN           | 015, GREEN           | 015, GREEN           |
| Nozzle Spacing             | 18 IN                | 18 IN                | 18.0 IN              | 18.0 IN              |
| Boom Length                | 6.67 FT              | 6.67 FT              | 6.67 FT              | 6.67 FT              |
| Boom Height                | 20 IN                | 20 IN                | 20.0 IN              | 20.0 IN              |
| Ground Speed               | 3 MPH                | 3 MPH                | 3 MPH                | 3 MPH                |
| Carrier                    | WATER                | WATER                | WATER                | WATER                |
| Water Hardness (ppm CaCO3) | 250                  | 250                  | 250                  | 250                  |
| Application Amount         | 15 GAL/AC            | 15 GAL/AC            | 15 GAL/AC            | 15 GAL/AC            |
| Mix Size                   | 1 L                  | 1 L                  | 1.0 L                | 1.0 L                |
| Spray pH                   | 7.8                  | 7.8                  | 7.8                  | 7.8                  |
| Propellant                 | COMCO2               | COMCO2               | COMCO2               | COMCO2               |

# The Ohio State University

2022-2023/FALL/SPRING/SOYBEAN-CORN/AUDIT 1:1/PREVIEW 2:1/INTERMOC/NO-TILL

Trial ID: 23UPLFALLSOY2  
 Protocol ID: H22-US-0XX-REJ Location: Trial Year: 2022  
 Project ID: Project ID 2: Project ID 3:  
 Study Director: Sponsor Contact:  
 Investigator:

|                               |             |             |             |             |
|-------------------------------|-------------|-------------|-------------|-------------|
| Rating Date                   | Oct-11-2023 | Oct-11-2023 | Oct-11-2023 | Oct-11-2023 |
| Part Rated                    | GRAIN, C    | GRAIN, C    | GRAIN, C    | GRAIN, C    |
| Rating Type                   | WIEGHT      | MOICON      | YIELD       | WEITES      |
| Rating Unit/Min/Max           | LBS, -, -   | %, 0, 100   | BU, -, -    | LBS, -, -   |
| Sample Size                   | 1 PLOT      | 1 QT        | 1 A         | 1 QT        |
| Collection Basis              | 1 PLOT      | 1 QT        | 1 PLOT      | 1 QT        |
| Reporting Basis               | 1 PLOT      | 1 PLOT      | 1 A         | 1 BU        |
| Number of Subsamples          | 1           | 1           | 1           | 1           |
| Crop Type, Code               | C, GLXMA    | C, GLXMA    | C, GLXMA    | C, GLXMA    |
| Crop Scientific Name          | Glycine max | Glycine max | Glycine max | Glycine max |
| Crop Name                     | Soybean     | Soybean     | Soybean     | Soybean     |
| Pest Type                     |             |             |             |             |
| Pest Code                     |             |             |             |             |
| Pest Scientific Name          |             |             |             |             |
| Pest Name                     |             |             |             |             |
| Days After First/Last Applic. | 336, 112    | 336, 112    | 336, 112    | 336, 112    |
| Plant-Eval Interval           | 167 DP-1    | 167 DP-1    | 167 DP-1    | 167 DP-1    |
| Days After Emergence          | 148 DE-1    | 148 DE-1    | 148 DE-1    | 148 DE-1    |
| EDC App                       |             |             |             |             |
| ARM Action Codes              |             |             | TY1         |             |
| Number of Decimals            |             |             | 1           |             |
| Data Entry Date               | Oct-16-2023 | Oct-16-2023 |             | Oct-16-2023 |

| Trt No. | Treatment Name   | Rate     | Other Rate  | Other Rate | Appl Unit | Appl Description | 38*     | 39*     | 40*   | 41*     |
|---------|------------------|----------|-------------|------------|-----------|------------------|---------|---------|-------|---------|
| 1       | UTC              |          |             |            |           |                  | 9.023b  | 10.600- | 35.9b | 34.480- |
| 2       | Roundup Powermax | 32oz/a   | 1260g ai/ha |            | A         | FALL             | 19.833a | 10.217- | 79.2a | 51.133- |
| 2       | Weedmaster       | 32oz/a   | 1080g ai/ha |            | A         | FALL             |         |         |       |         |
| 2       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | A         | FALL             |         |         |       |         |
| 2       | Preview          | 20oz/a   | 587g ai/ha  |            | B         | PRE              |         |         |       |         |
| 2       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | B         | PRE              |         |         |       |         |
| 2       | Intermoc         | 64oz/a   | 2000g ai/ha |            | C         | V2-V4            |         |         |       |         |
| 2       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | C         | V2-V4            |         |         |       |         |
| 2       | Interline        | 32oz/a   | 740g ai/ha  |            | D         | V4-V6            |         |         |       |         |
| 2       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | D         | V4-V6            |         |         |       |         |
| 3       | Roundup Powermax | 32oz/a   | 1260g ai/ha |            | A         | FALL             | 20.067a | 9.833-  | 80.5a | 51.800- |
| 3       | Audit 1:1        | 0.75oz/a | 26.3g ai/ha |            | A         | FALL             |         |         |       |         |
| 3       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | A         | FALL             |         |         |       |         |
| 3       | Intermoc         | 64oz/a   | 2000g ai/ha |            | B         | PRE              |         |         |       |         |
| 3       | Preview          | 20oz/a   | 587g ai/ha  |            | B         | PRE              |         |         |       |         |
| 3       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | B         | PRE              |         |         |       |         |
| 3       | Interline        | 32oz/a   | 740g ai/ha  |            | D         | V4-V6            |         |         |       |         |
| 3       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | D         | V4-V6            |         |         |       |         |
| 4       | Roundup Powermax | 32oz/a   | 1260g ai/ha |            | A         | FALL             | 19.550a | 10.533- | 77.9a | 51.000- |
| 4       | Audit 1:1        | 0.75oz/a | 26.3g ai/ha |            | A         | FALL             |         |         |       |         |
| 4       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | A         | FALL             |         |         |       |         |
| 4       | Intermoc         | 64oz/a   | 2000g ai/ha |            | B         | PRE              |         |         |       |         |
| 4       | Tricor           | 3oz/a    | 158g ai/ha  |            | B         | PRE              |         |         |       |         |
| 4       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | B         | PRE              |         |         |       |         |
| 4       | Interline        | 32oz/a   | 740g ai/ha  |            | D         | V4-V6            |         |         |       |         |
| 4       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | D         | V4-V6            |         |         |       |         |
| 5       | Roundup Powermax | 32oz/a   | 1260g ai/ha |            | A         | FALL             | 19.170a | 10.157- | 76.6a | 51.700- |
| 5       | 3384ae           | 0.75oz/a | 26.3g ai/ha |            | A         | FALL             |         |         |       |         |
| 5       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | A         | FALL             |         |         |       |         |
| 5       | Interline        | 32oz/a   | 740g ai/ha  |            | B         | PRE              |         |         |       |         |
| 5       | Tripzin          | 29oz/a   | 1020g ai/ha |            | B         | PRE              |         |         |       |         |
| 5       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | B         | PRE              |         |         |       |         |
| 5       | Interline        | 32oz/a   | 740g ai/ha  |            | D         | V4-V6            |         |         |       |         |
| 5       | AMSOL            | 2.5% v/v | 2.5% v/v    |            | D         | V4-V6            |         |         |       |         |

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Due to missing data, the effective replicates used for mean comparisons are: col. 38-41=3  
 \* Adjusted means  
 ^Calculated from residual.

# The Ohio State University

2022-2023/FALL/SPRING/SOYBEAN-CORN/AUDIT 1:1/PREVIEW 2:1/INTERMOC/NO-TILL

Trial ID: 23UPLFALLSOY2  
 Protocol ID: H22-US-0XX-REJ Location: Trial Year: 2022  
 Project ID: Project ID 2: Project ID 3:  
 Study Director: Sponsor Contact:  
 Investigator:

|                               |             |             |             |             |
|-------------------------------|-------------|-------------|-------------|-------------|
| Rating Date                   | Oct-11-2023 | Oct-11-2023 | Oct-11-2023 | Oct-11-2023 |
| Part Rated                    | GRAIN, C    | GRAIN, C    | GRAIN, C    | GRAIN, C    |
| Rating Type                   | WIEGHT      | MOICON      | YIELD       | WEITES      |
| Rating Unit/Min/Max           | LBS, -, -   | %, 0, 100   | BU, -, -    | LBS, -, -   |
| Sample Size                   | 1 PLOT      | 1 QT        | 1 A         | 1 QT        |
| Collection Basis              | 1 PLOT      | 1 QT        | 1 PLOT      | 1 QT        |
| Reporting Basis               | 1 PLOT      | 1 PLOT      | 1 A         | 1 BU        |
| Number of Subsamples          | 1           | 1           | 1           | 1           |
| Crop Type, Code               | C, GLXMA    | C, GLXMA    | C, GLXMA    | C, GLXMA    |
| Crop Scientific Name          | Glycine max | Glycine max | Glycine max | Glycine max |
| Crop Name                     | Soybean     | Soybean     | Soybean     | Soybean     |
| Pest Type                     |             |             |             |             |
| Pest Code                     |             |             |             |             |
| Pest Scientific Name          |             |             |             |             |
| Pest Name                     |             |             |             |             |
| Days After First/Last Applic. | 336, 112    | 336, 112    | 336, 112    | 336, 112    |
| Plant-Eval Interval           | 167 DP-1    | 167 DP-1    | 167 DP-1    | 167 DP-1    |
| Days After Emergence          | 148 DE-1    | 148 DE-1    | 148 DE-1    | 148 DE-1    |
| EDC App                       |             |             |             |             |
| ARM Action Codes              |             |             | TY1         |             |
| Number of Decimals            |             |             | 1           |             |
| Data Entry Date               | Oct-16-2023 | Oct-16-2023 |             | Oct-16-2023 |

| Trt No.            | Treatment Name   | Rate      | Other Rate   | Other Unit | Appl Code | Appl Description | 38*      | 39*      | 40*     | 41*      |
|--------------------|------------------|-----------|--------------|------------|-----------|------------------|----------|----------|---------|----------|
| 6                  | Roundup Powermax | 32 oz/a   | 1260 g ai/ha |            | A         | FALL             | 18.957 a | 10.137 - | 75.8 a  | 50.733 - |
| 6                  | Tricor           | 3 oz/a    | 158 g ai/ha  |            | A         | FALL             |          |          |         |          |
| 6                  | Harmony Extra    | 0.75 oz/a | 26.3 g ai/ha |            | A         | FALL             |          |          |         |          |
| 6                  | AMSOL            | 2.5% v/v  | 2.5% v/v     |            | A         | FALL             |          |          |         |          |
| 6                  | Intermoc         | 77 oz/a   | 2400 g ai/ha |            | B         | PRE              |          |          |         |          |
| 6                  | Tricor           | 2 oz/a    | 105 g ai/ha  |            | B         | PRE              |          |          |         |          |
| 6                  | AMSOL            | 2.5% v/v  | 2.5% v/v     |            | B         | PRE              |          |          |         |          |
| 6                  | Interline        | 32 oz/a   | 740 g ai/ha  |            | D         | V4-V6            |          |          |         |          |
| 6                  | AMSOL            | 2.5% v/v  | 2.5% v/v     |            | D         | V4-V6            |          |          |         |          |
| LSD P=.05          |                  |           |              |            |           |                  | 4.6308   | 0.5939   | 18.39   | 15.5418  |
| Standard Deviation |                  |           |              |            |           |                  | 2.5454   | 0.3265   | 10.11   | 8.5429   |
| CV                 |                  |           |              |            |           |                  | 14.33    | 3.19     | 14.24   | 17.62    |
| Grand Mean         |                  |           |              |            |           |                  | 17.7667  | 10.2461  | 71.00   | 48.4744  |
| Levene's F^        |                  |           |              |            |           |                  | 0.853    | 0.617    | 0.84    | 0.602    |
| Levene's Prob(F)   |                  |           |              |            |           |                  | 0.539    | 0.69     | 0.546   | 0.70     |
| Rank X2            |                  |           |              |            |           |                  | .        | .        | .       | .        |
| P(Rank X2)         |                  |           |              |            |           |                  | .        | .        | .       | .        |
| Shapiro-Wilk^      |                  |           |              |            |           |                  | 0.9065   | 0.9669   | 0.905   | 0.8532*  |
| P(Shapiro-Wilk)^   |                  |           |              |            |           |                  | 0.0746   | 0.7369   | 0.0701  | 0.0095*  |
| Skewness^          |                  |           |              |            |           |                  | -1.1764  | -0.3404  | -1.1825 | -1.263*  |
| P(Skewness)^       |                  |           |              |            |           |                  | 0.0585   | 0.565    | 0.0573  | 0.0438*  |
| Kurtosis^          |                  |           |              |            |           |                  | 3.4897*  | -0.1547  | 3.4614* | 4.2*     |
| P(Kurtosis)^       |                  |           |              |            |           |                  | 0.0064*  | 0.892    | 0.0067* | 0.0016*  |
| Replicate F        |                  |           |              |            |           |                  | 6.591    | 0.375    | 6.724   | 1.662    |
| Replicate Prob(F)  |                  |           |              |            |           |                  | 0.0149   | 0.6963   | 0.0141  | 0.2382   |
| Treatment F        |                  |           |              |            |           |                  | 8.572    | 2.246    | 8.758   | 1.939    |
| Treatment Prob(F)  |                  |           |              |            |           |                  | 0.0022   | 0.1293   | 0.0020  | 0.1744   |

**Part Rated**

GRAIN = grain  
 C = Crop is Part Rated  
**Rating Type**  
 MOICON = moisture content  
 YIELD = yield  
 WEITES = weight - test  
**Rating Unit/Min/Max**  
 %, 0, 100 = percent  
 BU, , = bushel

PLOT = total plot  
 QT = quart  
 A = acre

PLOT = total plot  
 QT = quart

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).  
 Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
 Due to missing data, the effective replicates used for mean comparisons are: col. 38-41=3  
 \* Adjusted means  
 ^Calculated from residual.

# The Ohio State University

2022-2023/FALL/SPRING/SOYBEAN-CORN/AUDIT 1:1/PREVIEW 2:1/INTERMOC/NO-TILL

Trial ID: 23UPLFALLSOY2  
Protocol ID: H22-US-0XX-REJ Location: Trial Year: 2022  
Project ID: Project ID 2: Project ID 3:  
Study Director: Sponsor Contact:  
Investigator:

PLOT = total plot

A = acre

BU = bushel

Crop Type, Code

C = EPPO species (Bayer) codes

GLXMA, BSOY, Glycine max, Soybean = US

Plant-Eval Interval

167 DP-1 = 1 GLXMA Apr-27-2023

ARM Action Codes

TY1 =  $3.872 * [38] * (100 - [39]) / 87$

Means followed by same letter or symbol do not significantly differ (P=.05, Student-Newman-Keuls).  
Mean comparisons performed only when AOV Treatment P(F) is significant at mean comparison OSL.  
Due to missing data, the effective replicates used for mean comparisons are: col. 38-41=3  
\* Adjusted means  
^Calculated from residual.